
Sunburn

Definition: Respondents who answered yes to the question “have you had a sunburn within the past 12 months?”

Prevalence of Sunburns

- South Dakota 44.3%
- All participants nationwide 33.4%

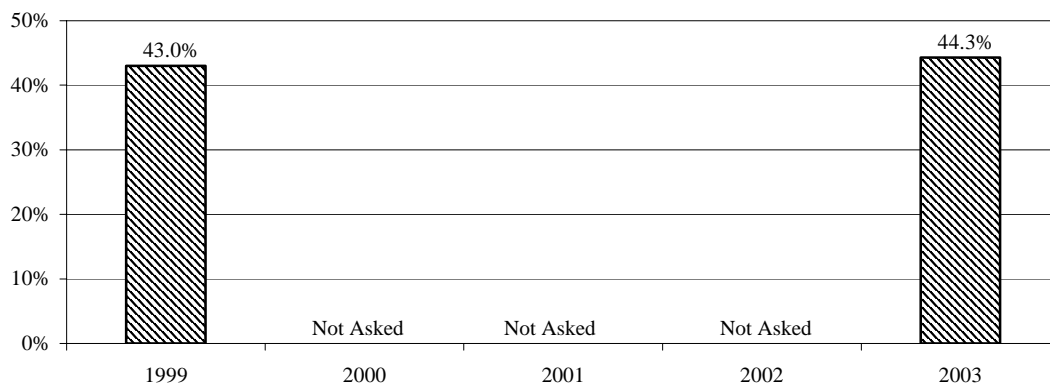
Healthy People 2010 Objective

There was no stated Healthy People 2010 Objective for sunburns.

Trend Analysis

This question has only been asked two years, 1999 and 2003. There was a slight increase in the percent of respondents who stated they had sunburn from 1999 to 2003.

Figure 57
Percent of Respondents Who Had Sunburn in the Past 12 Months, 1999 and 2003



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 1999 and 2003

Demographics

Gender	Males demonstrate a significantly higher incidence of being sunburned than females.
Age	As age increases the incidence of being sunburned decreases. This includes large decreases in the 45-54, 55-64, 65-74, and 75 and older age groups.
Race	Whites demonstrate a substantially higher incidence of being sunburned than American Indians. This racial difference is much more evident in males than females.
Region	There are no appreciable differences among the five geographic regions.
Household Income	The incidence of being sunburned increases as household income increases.

Education	As education levels increase the incidence of being sunburned generally increases.
Employment Status	Those employed for wages exhibit a much higher incidence of being sunburned than those who are self-employed.
Marital Status	Those who have never been married exhibit a very high incidence of being sunburned while those who are widowed show a very low incidence.

Table 74
Respondents Who Had Sunburn in the Past 12 Months, 2003

	Total			Male			Female		
	# Resp.	%	95% CI	# Resp.	%	95% CI	# Resp.	%	95% CI
Total	5,242	44.3	(42.6-45.9)	2,187	49.5	(47.0-52.0)	3,055	39.2	(37.2-41.4)
<u>Age</u>									
18-24	359	69.1	(63.4-74.3)	170	69.2	(60.8-76.5)	189	69.0	(61.0-76.0)
25-34	656	61.5	(57.2-65.7)	272	64.7	(58.0-70.9)	384	58.2	(52.7-63.5)
35-44	981	55.7	(52.2-59.1)	433	60.3	(55.0-65.3)	548	51.0	(46.4-55.6)
45-54	1,022	45.1	(41.7-48.6)	466	49.8	(44.8-54.9)	556	40.1	(35.6-44.8)
55-64	793	28.4	(25.1-32.0)	332	34.9	(29.5-40.6)	461	22.0	(18.2-26.4)
65-74	688	14.8	(12.1-18.0)	271	17.6	(13.2-23.0)	417	12.4	(9.4-16.4)
75+	708	6.8	(5.0-9.1)	233	10.6	(7.0-15.7)	475	4.5	(3.0-6.7)
<u>Race</u>									
White	4,784	45.7	(44.0-47.4)	2,011	51.4	(48.8-54.0)	2,773	40.1	(37.9-42.3)
American Indian	280	31.9	(25.5-39.1)	102	28.0	(19.0-39.3)	178	34.8	(26.4-44.2)
<u>Region</u>									
Southeast	1,284	44.7	(41.5-47.9)	543	51.7	(46.8-56.5)	741	37.6	(33.5-41.8)
Northeast	1,450	44.8	(41.8-47.7)	591	51.1	(46.6-55.6)	859	39.1	(35.3-42.9)
Central	673	42.2	(37.9-46.6)	278	42.8	(36.4-49.4)	395	41.7	(36.0-47.5)
West	1,442	45.3	(42.3-48.3)	619	49.4	(44.8-53.9)	823	41.2	(37.3-45.2)
American Indian Counties	393	37.7	(32.1-43.7)	156	38.7	(30.1-48.1)	237	36.9	(29.8-44.6)
<u>Household Income</u>									
Less than \$15,000	583	29.4	(24.6-34.6)	194	33.1	(24.9-42.5)	389	26.8	(21.4-32.9)
\$15,000-\$19,999	457	36.0	(30.4-42.1)	155	42.2	(32.5-52.5)	302	31.8	(25.5-38.9)
\$20,000-\$24,999	596	42.5	(37.6-47.6)	256	50.1	(42.7-57.4)	340	34.4	(28.1-41.3)
\$25,000-\$34,999	839	44.2	(39.8-48.6)	354	43.7	(36.9-50.8)	485	44.6	(39.2-50.1)
\$35,000-\$49,999	921	49.1	(45.4-52.8)	417	54.4	(48.9-59.7)	504	43.3	(38.5-48.2)
\$50,000-\$74,999	752	52.1	(48.0-56.2)	354	55.9	(50.0-61.6)	398	47.7	(42.2-53.3)
\$75,000+	565	52.4	(47.8-57.1)	315	55.7	(49.5-61.8)	250	47.2	(40.5-54.1)
<u>Education</u>									
Less than High School	552	29.6	(24.6-35.0)	256	32.2	(25.3-39.9)	296	26.6	(19.9-34.5)
High School or G.E.D.	1,761	40.8	(38.0-43.6)	765	46.0	(41.9-50.2)	996	35.4	(31.8-39.2)
Some Post-High School	1,520	49.9	(46.8-53.1)	567	58.1	(53.1-62.9)	953	43.3	(39.5-47.2)
College Graduate	1,390	48.1	(45.0-51.1)	592	52.6	(48.0-57.2)	798	43.5	(39.6-47.5)
<u>Employment Status</u>									
Employed for Wages	2,751	53.3	(51.1-55.5)	1,149	58.5	(55.2-61.8)	1,602	48.0	(45.1-50.8)
Self-employed	654	43.4	(39.1-47.9)	442	46.9	(41.6-52.2)	212	34.5	(27.5-42.2)
Unemployed	113	53.6	(42.1-64.7)	*	*	*	*	*	*
Homemaker	253	37.3	(30.9-44.3)	*	*	*	*	*	*
Retired	1,244	12.7	(10.7-14.9)	450	17.2	(13.8-21.4)	794	9.3	(7.2-11.9)
Unable to Work	123	31.0	(22.4-41.3)	*	*	*	*	*	*
<u>Marital Status</u>									
Married/Unmarried Couple	3,114	44.2	(42.2-46.1)	1,390	47.5	(44.6-50.4)	1,724	40.8	(38.2-43.4)
Divorced/Separated	689	42.6	(38.4-47.0)	271	47.9	(41.2-54.7)	418	38.8	(33.5-44.4)
Widowed	718	9.5	(7.4-12.2)	120	13.4	(7.9-21.7)	598	8.8	(6.6-11.6)
Never Married	716	61.0	(56.2-65.6)	405	60.4	(54.0-66.5)	311	61.9	(54.9-68.6)

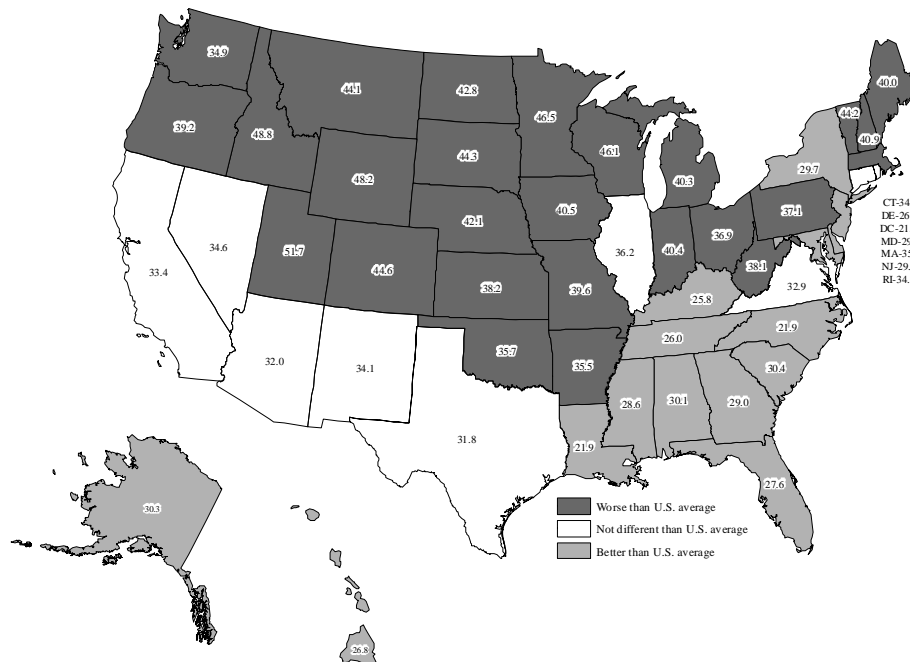
Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2003

Note: *Results based on sample sizes less than 100 have been suppressed.

National Statistics

The national percent for respondents who stated they had sunburn is 33.4 percent. South Dakota was significantly worse than the United States. The District of Columbia had the lowest percent of respondents who stated they had sunburn with 21.8 percent, while Utah had the highest percent of respondents who stated they had sunburn with 51.7 percent.

Figure 58
Nationally, Respondents Who Had Sunburn in the Past 12 Months, 2003



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2003

Further Analysis

Following are data illustrating the percent of those who stated they had sunburn for various health behaviors and conditions. For example, 46.7 percent of respondents who stated they consume less than five servings of fruits and vegetables per day had sunburn in the past 12 months, while 33.9 percent of respondents who stated they did consume at least five servings of fruits and vegetables per day had sunburn in the past 12 months.

Table 75
Had Sunburn in the Past 12 Months for Selected Health Behaviors and Conditions,
2003

Health Behavior or Condition	# Respondents	% Sunburn	95% CI
Fair or Poor Health Status	796	25.0	21.5-29.0
Excellent, Very Good, or Good Health Status	4,436	47.2	45.4-48.9
Obese	1,215	41.8	38.5-45.1
Overweight	3,118	43.0	40.9-45.2
Not Overweight	1,911	47.1	44.3-49.9
No Leisure Time Physical Activity	1,275	32.9	29.7-36.2
Leisure Time Physical Activity	3,966	47.4	45.5-49.3
No Moderate Physical Activity	2,835	39.6	37.4-41.9
Moderate Physical Activity	2,247	50.4	47.9-52.9
No Vigorous Physical Activity	4,183	40.6	38.8-42.5
Vigorous Physical Activity	976	58.3	54.5-62.0

Table 75 (continued)
Had a Sunburn in the Past 12 Months for Selected Health Behaviors and Conditions,
2003

Health Behavior or Condition	# Respondents	% Sunburn	95% CI
Not Doing Anything to Control Weight	1,422	44.2	41.0-47.4
Trying to Lose or Maintain Weight	3,811	44.3	42.4-46.3
Less Than Five Servings of Fruits and Vegetables	4,178	46.7	44.9-48.6
At Least Five Servings of Fruits and Vegetables	1,064	33.9	30.5-37.5
Current Smoker	1,137	47.3	43.7-50.9
Former Smoker	1,443	35.8	33.0-38.8
Never Smoked	2,655	47.0	44.7-49.3
Smokeless Tobacco Use	290	58.0	51.0-64.7
No Smokeless Tobacco Use	4,865	43.3	41.6-45.1
Drank Alcohol in Past 30 Days	3,010	48.5	46.4-50.6
No Alcohol in Past 30 Days	2,218	37.8	35.2-40.4
Binge Drinker	794	60.8	56.7-64.8
Not a Binge Drinker	4,419	40.4	38.7-42.2
Heavy Drinker	197	49.4	40.9-58.0
Not a Heavy Drinker	5,014	44.1	42.4-45.8
Hypertension	1,559	28.3	25.7-31.1
No Hypertension	3,676	49.6	47.6-51.5
High Blood Cholesterol	1,394	33.7	30.9-36.7
No High Blood Cholesterol	2,698	41.2	39.0-43.4
No Mammogram within Past Two Years (40+)	494	27.0	22.8-31.8
Mammogram within Past Two Years (40+)	1,688	26.2	23.9-28.7
Insufficient Cervical Cancer Screening	318	45.4	38.3-52.8
Sufficient Cervical Cancer Screening	1,904	42.5	39.9-45.2
No Health Insurance (18-64)	364	50.6	44.3-56.9
Health Insurance (18-64)	3,366	52.8	50.7-54.8
Employer Based Health Insurance Coverage (18-64)	2,361	54.2	51.8-56.6
Private Plan (18-64)	508	56.0	51.0-60.9
Medicaid or Medical Assistance (18-64)	118	54.2	43.1-64.9
The Military, CHAMPUS, TriCare, or the VA (18-64)	130	45.9	36.4-55.7
The Indian Health Service (18-64)	145	27.0	18.8-37.0
No Flu Shot (65+)	325	10.5	7.3-14.9
Flu Shot (65+)	1,070	10.5	8.6-12.6
No Pneumonia Shot (65+)	500	11.0	8.3-14.4
Pneumonia Shot (65+)	872	10.2	8.2-12.6
Diabetes	450	22.6	18.4-27.5
No Diabetes	4,790	45.9	44.2-47.6
Current Asthma	368	43.0	36.0-50.3
Former Asthma	142	48.9	38.9-59.0
Never Had Asthma	4,716	44.1	42.4-45.8
Arthritis	1,773	32.6	30.0-35.2
No Arthritis	3,430	49.2	47.1-51.2
Arthritis - Activities Limited	835	33.7	30.0-37.7
No Arthritis - Activities Limited	4,360	46.1	44.3-47.9
Disability - Activities Limited	1,122	34.3	30.7-38.1
No Disability - Activities Limited	4,083	46.7	44.9-48.6
Disability with Special Equipment Needed	369	24.2	19.0-30.3
No Disability with Special Equipment Needed	4,840	45.6	43.9-47.3
Injured in a Fall (45+)	177	29.7	22.8-37.6
Not Injured in a Fall (45+)	3,047	27.3	25.5-29.1
Military Veteran	857	33.5	29.9-37.2
Not a Military Veteran	4,339	46.5	44.7-48.3

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2003